

Q1. What will be the output of the following program? Explain. [8 Marks]

```
public class CreateThreadRunnableExample implements Runnable{
    public void run(){
        for(int i=0; i < 5; i++){
            System.out.println("Child Thread : " + i);
            try{
                Thread.sleep(10);
            }
            catch(InterruptedException ie){
                System.out.println("Child thread interrupted! " + ie);
            }
        }
        System.out.println("Child thread finished!");
    }

    public static void main(String[] args) {
        Thread t = new Thread(new CreateThreadRunnableExample(), "My Thread");
        t.start();

        for(int i=0; i < 5; i++){
            System.out.println("Main thread : " + i);
            try{
                Thread.sleep(100);
            }
            catch(InterruptedException ie){
                System.out.println("Child thread interrupted! " + ie);
            }
        }
        System.out.println("Main thread finished!");
    }
}
```

C:\Program Files (x86)\...

```
Main thread : 0
Child Thread : 0
Child Thread : 1
Child Thread : 2
Child Thread : 3
Child Thread : 4
Child thread finised!
Main thread : 1
Main thread : 2
Main thread : 3
Main thread : 4
Main thread finished!
Press any key to continue...
```

Q2. What will be the output of the following program? [2 Marks]

```
1 class MyThread extends Thread
2 {
3     MyThread()
4     {
5         System.out.print(" MyThread");
6     }
7     public void run()
8     {
9         System.out.println(" baz");
10    }
11    public void run(String s)
12    {
13        System.out.println(" bar");
14    }
15 }
16 public class TestThreads
17 {
18     public static void main (String [] args)
19     {
20         Thread t = new MyThread();
21         t.start();
22     }
23 }
```

Won't run because
string was given

~~MyThread baz~~